FIG.1

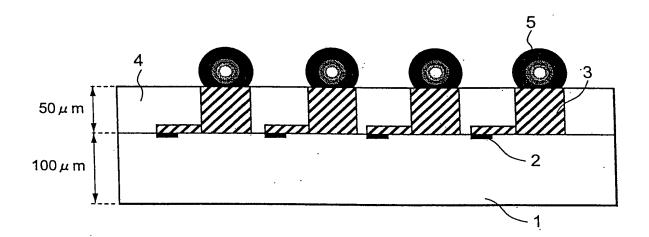
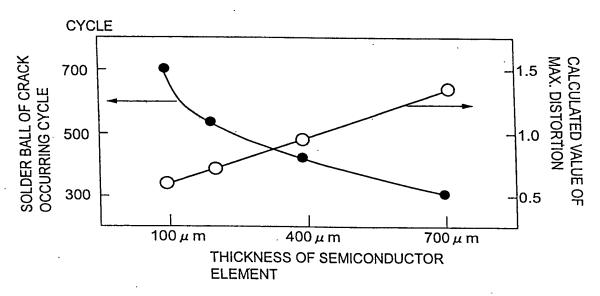
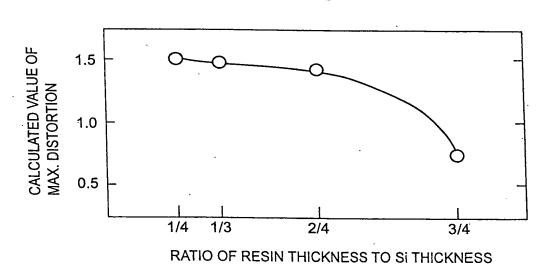


FIG.2A

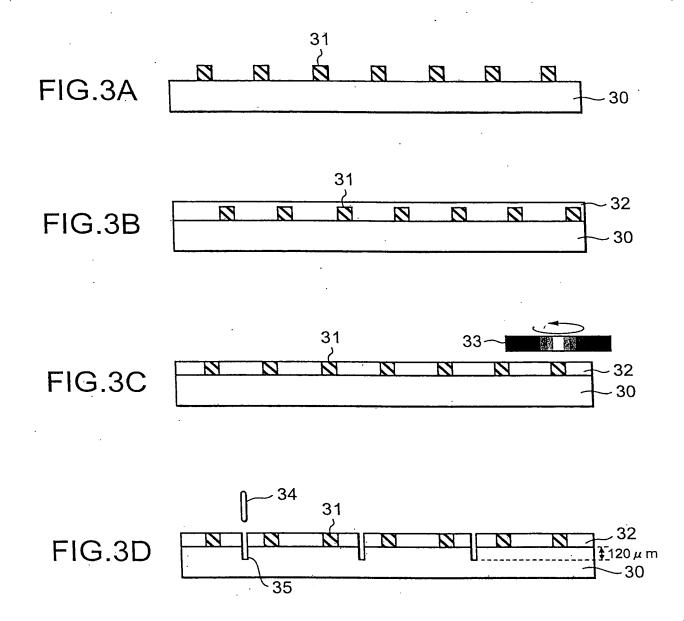


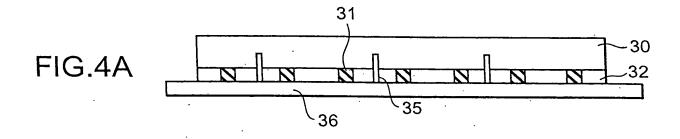
DEVICE THICKNESS VS MAX. DISTORTION & FATIGUE OF SOLDER BALL

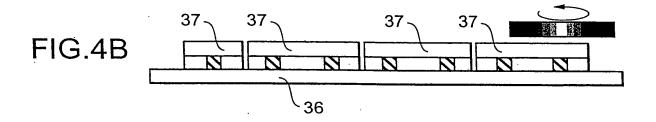
FIG.2B



RATIO OF RESIN THICKNESS TO SI THICKNESS VS MAX. DISTORTION OF SOLDER BALL







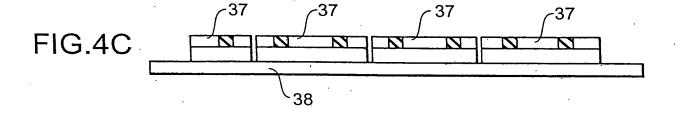
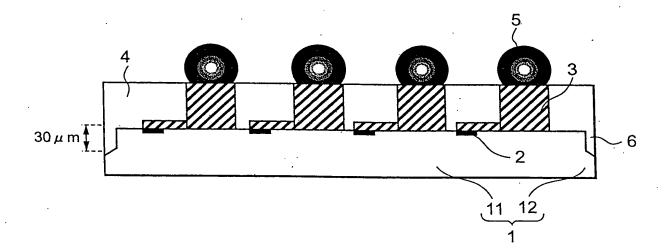
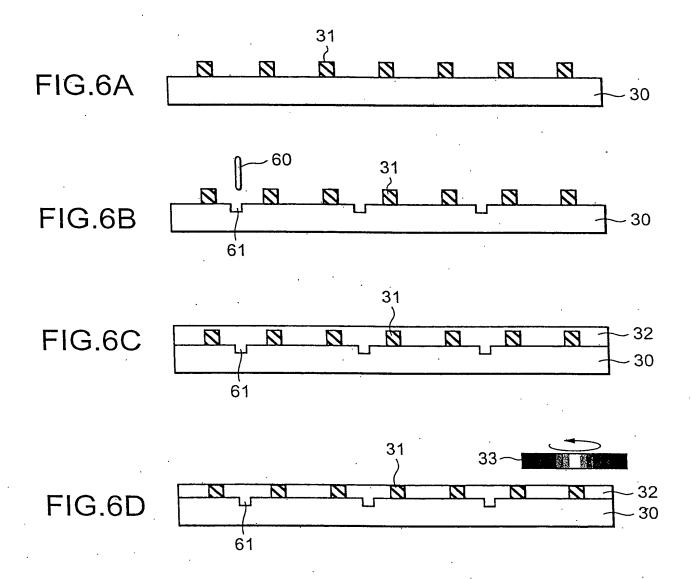


FIG.5





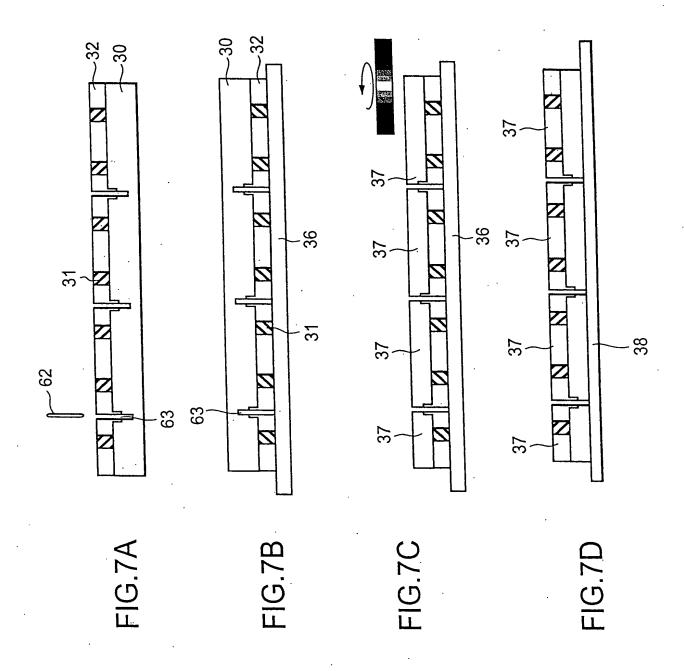


FIG.8

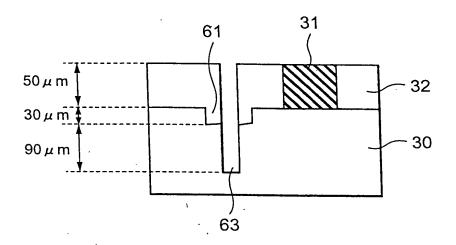
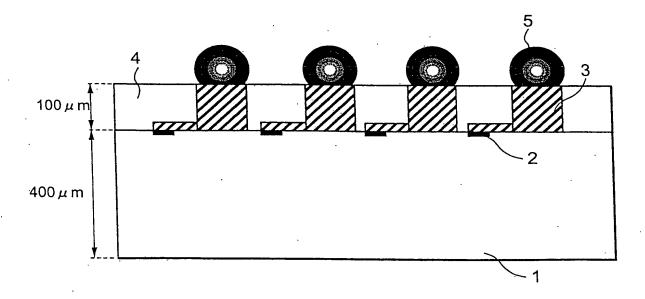


FIG.9



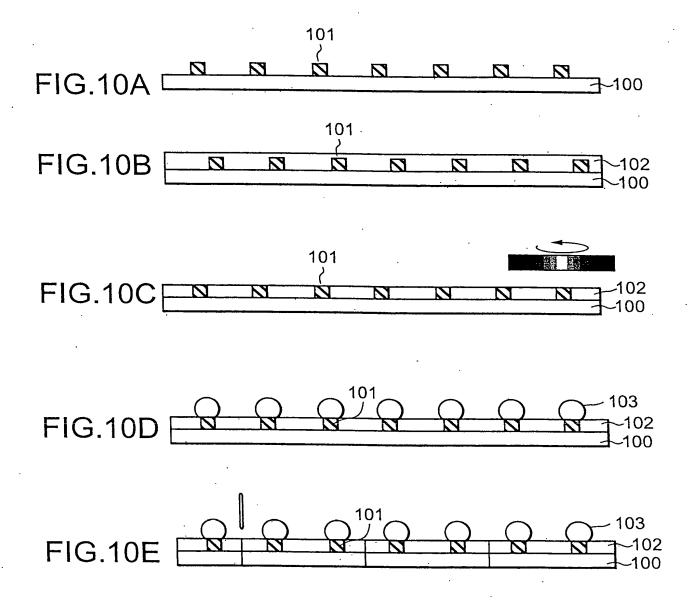


FIG.11

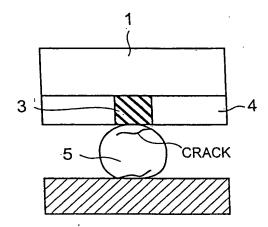


FIG.12

